

SN6BHP WIFI1 Antenna Report

Antenna model: SN6BHP-WIFI1

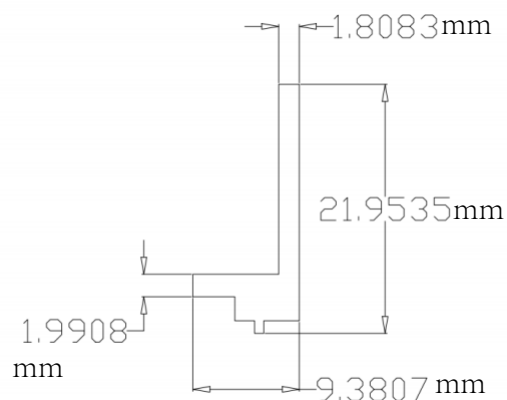
Antenna type: Monopole antenna

Trademark: \

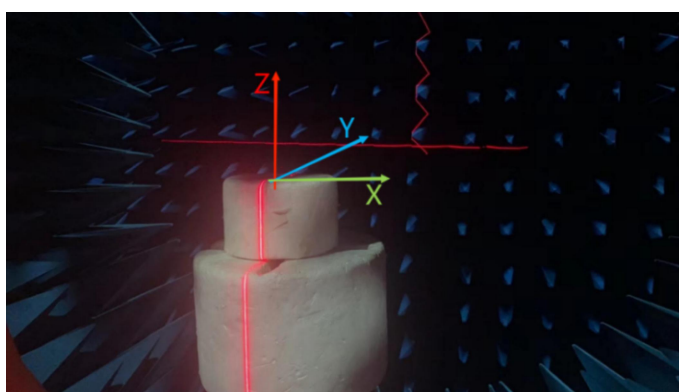
Frequency band: 2400~2500MHz, 5150~5850MHz

Manufacturer information: SEI

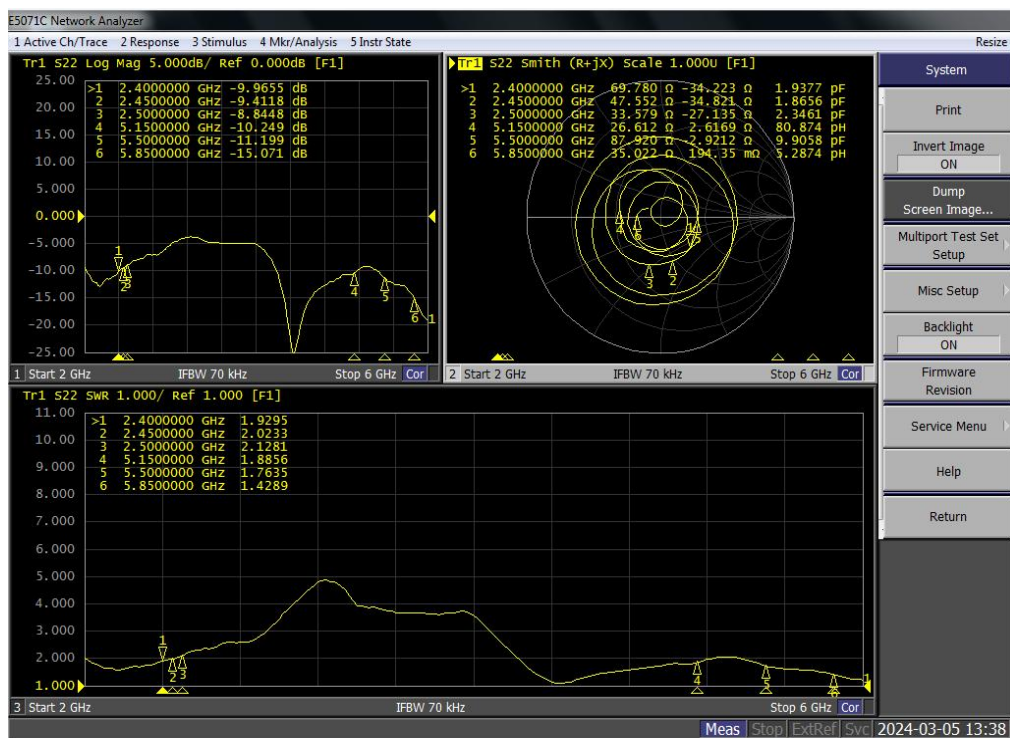
4th Floor, Productivity Building D, #5 Hi-Tech
Middle 2nd Road, Shenzhen Hi-Tech Industrial
Park, Nanshan District, Shenzhen, China



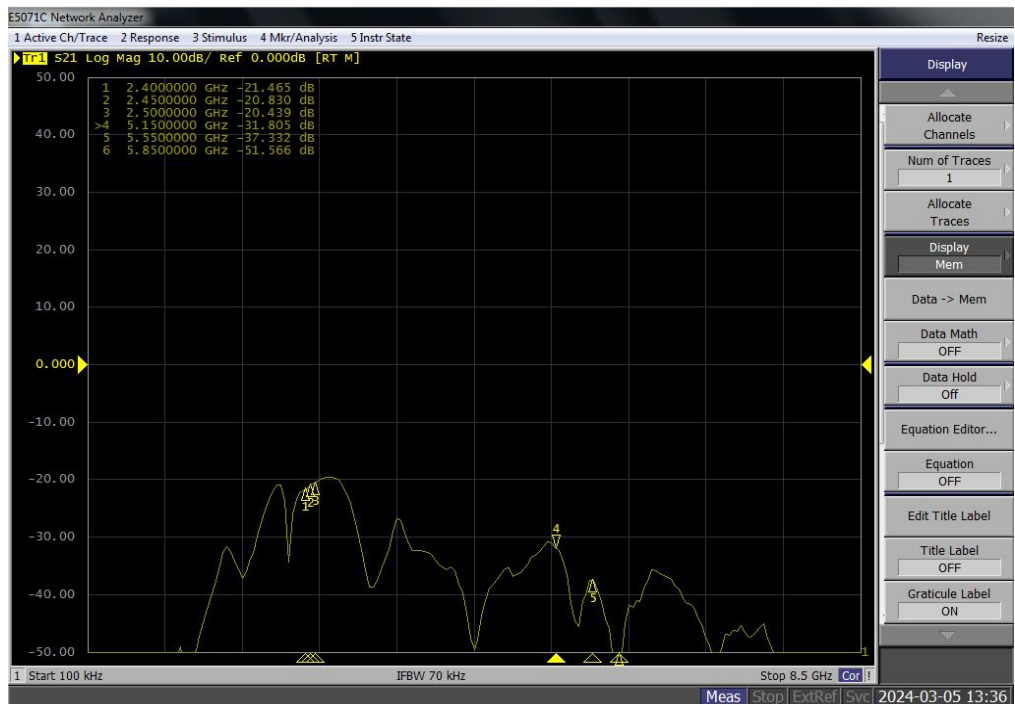
测试环境 Test environment



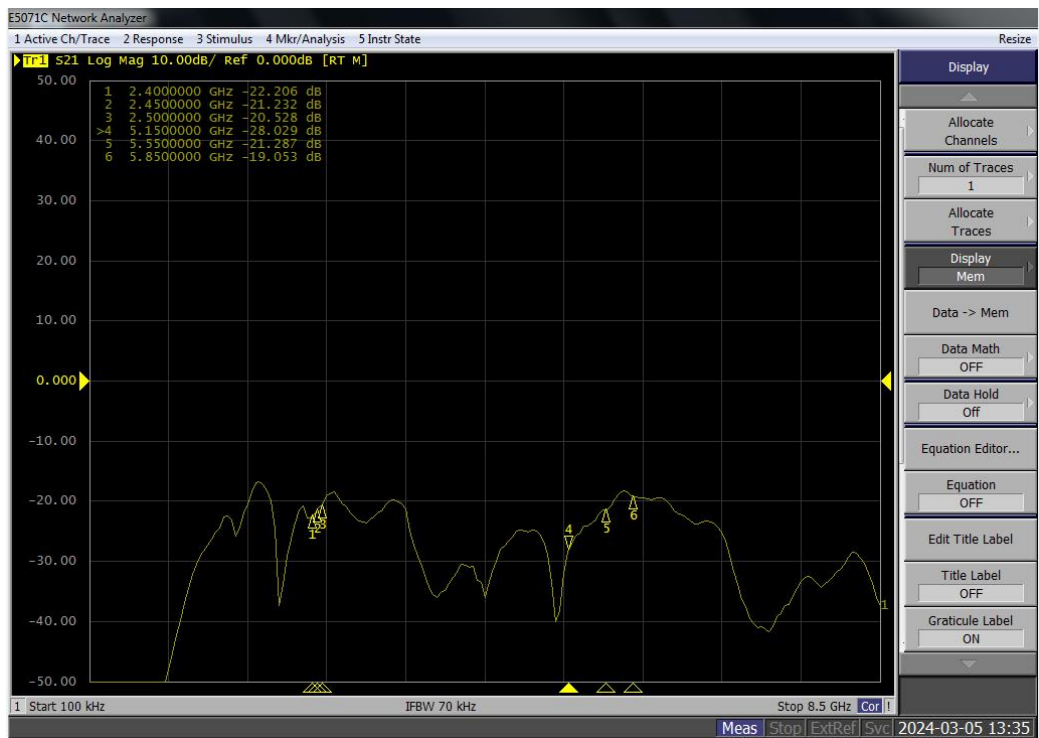
天线驻波比 SWR ANT1



BT与ANT1隔离度 S21



ANT1 与 ANT2 隔离度 S21



无源效率 ANT1

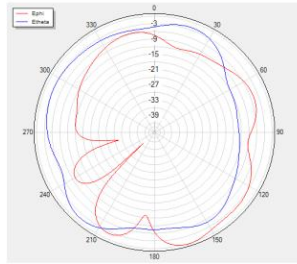
Gain&Efficiency 增益、效率		
frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(%)
2400	3.55	61.25
2410	3.42	57.15
2420	3.37	56.07
2430	3.49	56.7
2440	3.49	57.26
2450	3.54	58.53
2460	3.59	60.28
2470	3.61	61.19
2480	3.43	60.3
2490	3.4	60.65
2500	3.21	60.18

Gain&Efficiency 增益、效率		
frequency 频率(MHz)	gain 增益(dBi)	efficiency 效率(%)
5100	0.32	50.22
5150	0.25	50.7
5200	0.24	48.68
5250	0.36	48.15
5300	0.41	48.17
5350	0.4	47.41
5400	0.43	47.83
5450	0.48	49.17
5500	0.61	49.37
5550	0.6	48.74
5600	0.74	49.55
5650	0.99	50.65
5700	0.95	50.16
5750	0.56	49.15
5800	0.49	49.83
5850	0.78	48.38
5900	0.51	49.91

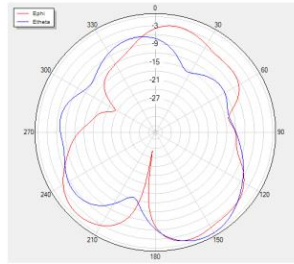
2D3D 方向图ANT1

dBi

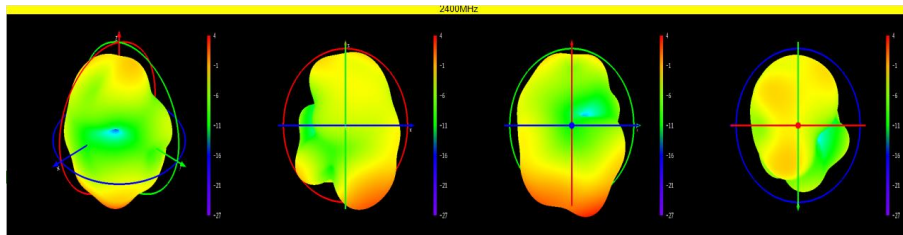
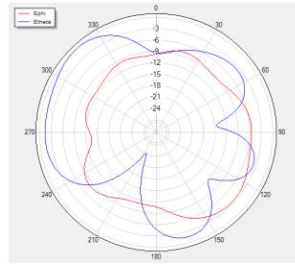
Phi=90 freq=2400MHz



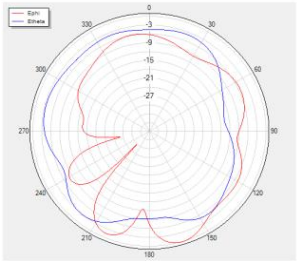
Phi=0 freq=2400MHz



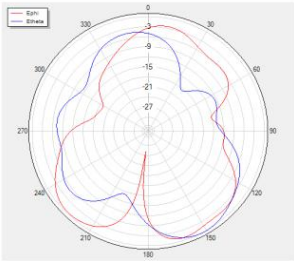
Theta=90 freq=2400MHz



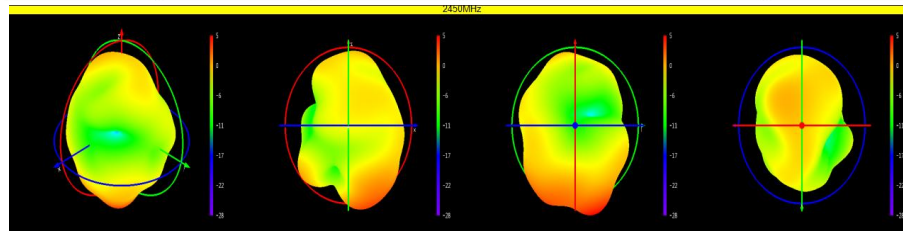
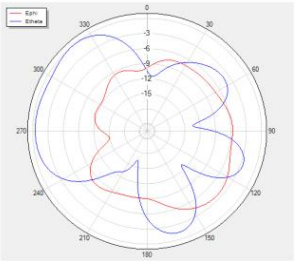
Phi=90 freq=2450MHz



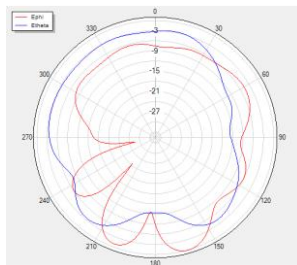
Phi=0 freq=2450MHz



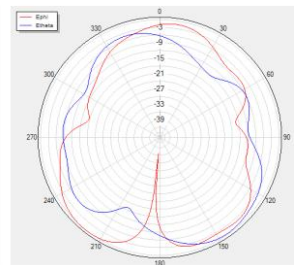
Theta=90 freq=2450MHz



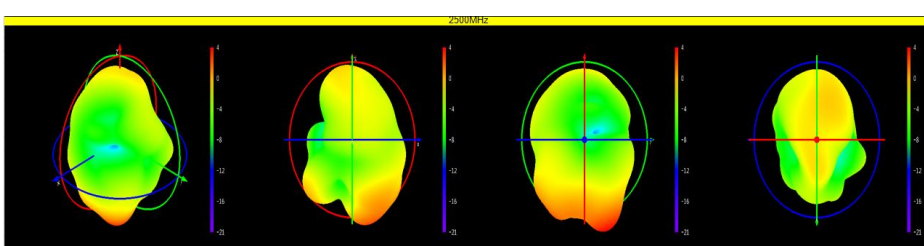
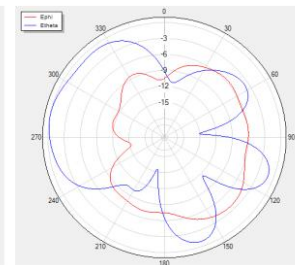
Phi=90 freq=2500MHz



Phi=0 freq=2500MHz

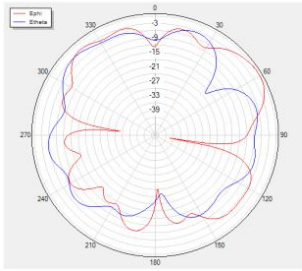


Theta=90 freq=2500MHz

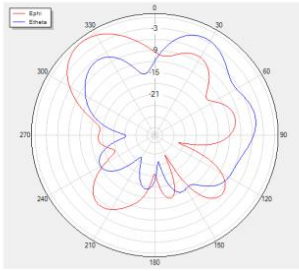


dB_i

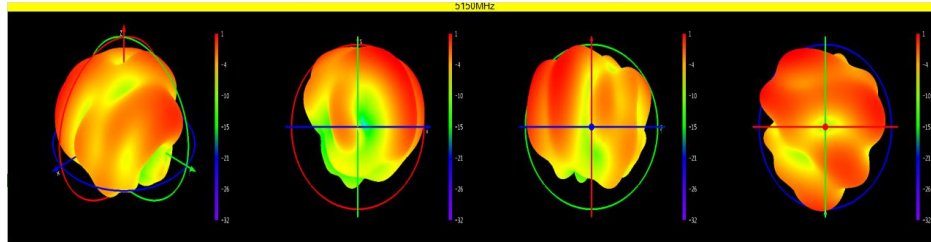
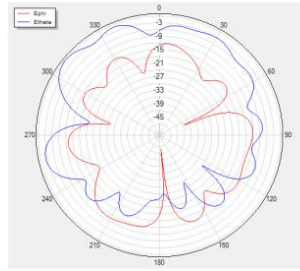
Phi=90 freq=5150MHz



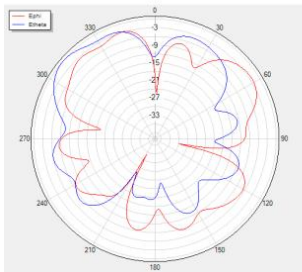
Phi=0 freq=5150MHz



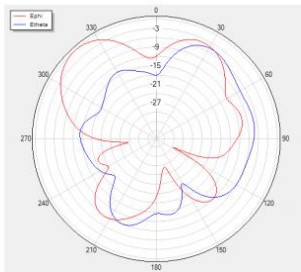
Theta=90 freq=5150MHz



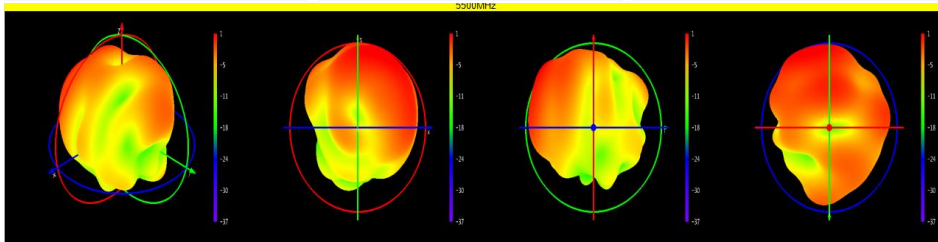
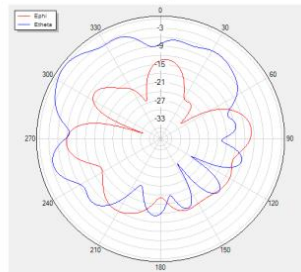
Phi=90 freq=5500MHz



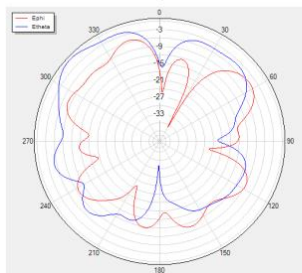
Phi=0 freq=5500MHz



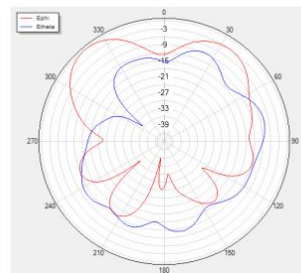
Theta=90 freq=5500MHz



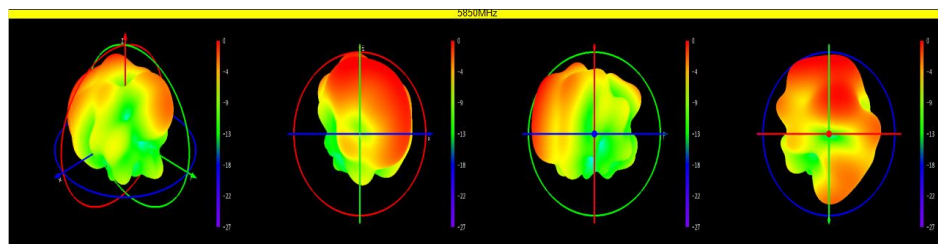
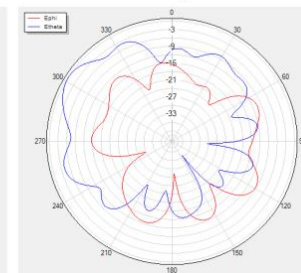
Phi=90 freq=5850MHz



Phi=0 freq=5850MHz



Theta=90 freq=5850MHz



有源数据

Test	Wifi 2G TRP				Test	Wifi 2G TIS		
CH	1	6	13		CH	1	6	13
Frequency (MHz)	2412	2437	2472		Frequency (MHz)	2412	2437	2472
TRP(dBm)	15.55	18.49	17.97		TIS(dBm)	-74.37	-56.42	-68.55

Test mode: 802.11a 54Mbps BW 20M

Test	Wifi 5G TRP				Test	Wifi 5G TIS		
CH	36	100	165		CH	36	100	165
Frequency (MHz)	5180	5500	5825		Frequency (MHz)	5180	5500	5825
TRP(dBm)	19.1	17.14	18.49		TIS(dBm)	-80.31	-79.78	-78.57